EPEC 40 (Schedule 40)



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

High-Density Polyethylene

APPLICATIONS AND FEATURES:

Designed to house and protect wire and cable products in various underground applications for commercial constructions, EV infrastructure expansions, Utility grid-hardening efforts, airports, mass transit, renewables, petrochemical, agriculture, and data centers. May be installed directly buried or encased in concrete as permitted by The National Electrical Code® Article 353. For above ground applications, HDPE conduit must be encased in a minimum of 2 inches of concrete.

SPECIFICATIONS:

- ASTM D3350 Standard Specification for Polyethylene Plastics Pipe and Fittings Materials
- ASTM F2160 Standard Specification for Solid Wall High Density Polyethylene (HDPE) Conduit Based on Controlled Outside Diameter (OD)
- UL 651A High Density Polyethylene (HPDE) Conduit
- CSA *CSA marking is available upon request*
- Buy American: Compliant with Buy American Requirements, found in 49 U.S.C. § 5323(j); specify “Made in the USA Only!” when ordering to ensure your project receives American made products.
- NEMA TC-7 Smooth-Wall Coilable Electrical Polyethylene Conduit

SAMPLE PRINT LEGEND:

{SQFTG} FEET (LOGO) SOUTHWIRE CONDUIT (UL) HDPE X" SCH40 NEMA TC 7 / ASTM F2160 {MMM/DD/YYYY} {MACH/SHFT/OP}

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Table 1 – Physical and Electrical Data

Stock Number	Description	Duct Nominal Size	Duct Nominal Outside Dia.	Duct Min. Wall Thickness	Duct Nominal Inside Dia.	Duct Min. Bending Radius	Duct Max. Pull Tension	Duct Color	Approx. Cable and Duct Weight
		inch	inch	inch	inch	inch	lb		lb/1000ft
632260	EPEC 40 (SCHEDULE 40)	0.75	1.05	0.113	0.804	12	710	GY	149
632429	EPEC 40 (SCHEDULE 40)	0.75	1.05	0.113	0.804	12	710	BK	149
TBA	EPEC 40 (SCHEDULE 40)	1	1.315	0.133	1.029	14	1050	OPTIONAL	219
632028	EPEC 40 (SCHEDULE 40)	1.25	1.66	0.14	1.36	18	1420	BK	297
632263	EPEC 40 (SCHEDULE 40)	1.25	1.66	0.14	1.36	18	1420	GY	297
632249	EPEC 40 (SCHEDULE 40)	1.25	1.66	0.14	1.36	18	1420	BK/3-RD STRIPES	297
633608	EPEC 40 (SCHEDULE 40)	1.5	1.9	0.145	1.59	21	1700	OE	354
632156	EPEC 40 (SCHEDULE 40)	2	2.375	0.154	2.047	26	2280	BK	475
632266	EPEC 40 (SCHEDULE 40)	2	2.375	0.154	2.047	26	2280	GY	475
633607	EPEC 40 (SCHEDULE 40)	2	2.375	0.154	2.047	26	2280	OE	475
TBA	EPEC 40 (SCHEDULE 40)	2.5	2.875	0.203	2.445	32	3615	OPTIONAL	749
631294	EPEC 40 (SCHEDULE 40)	3	3.5	0.216	3.042	39	4740	BK	978
632385	EPEC 40 (SCHEDULE 40)	4	4.5	0.237	3.998	50	6745	GY	1396

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

Cell Classification for HDPE Conduit

Property	Test Method	Value
Density	D4883	0.953 g/cc
Melt Index	D1238	0.25 g/10 min
Flexural Modulus	D790	168,000 psi
Tensile Strength	D638	3900 yield @ 2 in/min
SP-NCLS ESCR	F2136	>1000 hrs
Hydrostatic Design Basis	D2837	N/A

- **(PE436580C-BK), (PE436580E-Colors)**

CIC Labor Saving Calculator

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